

Appl. No. 10/803,081
In re Kato et al.
Reply to Office Action of Aug. 23, 2005

AMENDMENT TO THE CLAIMS

1. (original) An exhaust heat recovery system for recovering heat otherwise dissipated in a condenser of a steam turbine facility, to obtain warm water,

wherein a heat channel of a compression type heat pump is connected with a cooling medium side channel of the condenser, the compression type heat pump directly recovering the heat from the steam turbine facility.

2. (currently amended) An exhaust heat recovery system [according to claim 1,] for recovering heat otherwise dissipated in a condenser of a steam turbine facility, to obtain warm water,

wherein a heat channel of a compression type heat pump is connected with a cooling medium side channel of the condenser, the compression type heat pump directly recovering the heat from the steam turbine facility,

wherein carbon dioxide is used as a refrigerant for the compression type heat pump.

3. (original) An exhaust heat recovery system according to claim 1, wherein when heat exchange proceeds in the condenser between steam led from a steam turbine and a refrigerant in the compression type heat pump, a heat transfer mechanism provided at a refrigerant side utilizes boiling heat transfer.

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4. (original) An exhaust heat recovery system according to claim 2, wherein when heat exchange proceeds in the condenser between steam led from a steam turbine and a refrigerant in the compression type heat pump, a heat transfer mechanism provided at a refrigerant side utilizes boiling heat transfer.